

Diseases and abiotic issues diagnosed among horticulture samples in 2022

ORNAMENTALS

Arborvitae (*Thuja* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Root rot	<i>Phytophthora</i> sp./spp.
Arborvitae needle blight	<i>Phyllosticta thujae</i>
Environmental stress	Abiotic disorder
Arborvitae spider mite	<i>Platytranychus thujae</i>
Pestalotiopsis needle blight; Tip blight	<i>Pestalotiopsis</i> sp./spp.
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.

Azalea; Rhododendron (*Rhododendron* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Azalea lace bug	<i>Stephanitis pyrioides</i>
Tetranychid mite	<i>Eotetranychus</i> sp./spp.

Black Gum (*Nyssa sylvatica*)

DISEASE NAME	SCIENTIFIC NAME
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.
Fusarium root rot	<i>Fusarium</i> sp./spp.

Boxwood (*Buxus* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Crown and root rot	<i>Phytophthora</i> sp./spp.
Crown and stem rot	<i>Fusarium</i> sp./spp.
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.
Boxwood Volutella blight; Canker	<i>Volutella buxi</i>
Boxwood mite	<i>Eurytetranychus buxi</i>

Chestnut (*Castanea* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Crown and root rot	<i>Phytophthora</i> sp./spp.
Crown and stem rot	<i>Fusarium</i> sp./spp.
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.

Crabapple (*Malus* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Crown gall	<i>Agrobacterium</i> sp./spp.
Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>
Alternaria blotch (Apple)	<i>Alternaria mali</i>

Cypress (*Cupressus* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Pestalotiopsis needle blight; Tip blightx	<i>Pestalotiopsis</i> sp./spp.

Dahlia (*Dahlia* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Common thrips	Family <i>Thripidae</i>
Spider mites	Family <i>Tetranychidae</i>
Tomato spotted wilt	Tomato Spotted Wilt Virus (TSWV)
Leaf /stem/twig blight; Rot; Gray mold	<i>Botrytis cinerea</i>

Eastern White pine (*Pinus strobus*)

DISEASE NAME	SCIENTIFIC NAME
Dothistroma needle blight	<i>Dothistroma</i> sp./spp.

Fig (ornamental) (*Ficus* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Fig rust	<i>Cerotelium fici</i>

Hosta (*Hosta* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Hosta Virus X (HVX)	Potexvirus Hosta Virus X

Japanese Spurge (*Pachysandra terminalis*)

DISEASE NAME	SCIENTIFIC NAME
Crown and root rot	<i>Phytophthora</i> sp./spp.
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.

Juniper (*Juniperus* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Rust	<i>Gymnosporangium</i> sp./spp.

Lavender (*Lavandula* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Crown and root rot	<i>Phytophthora</i> sp./spp.

Lilac (*Syringa* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Leaf spot	<i>Pseudocercospora</i> sp./spp.
Oedema; Edema	Abiotic disorder

Norway Spruce (*Picea abies*)

DISEASE NAME	SCIENTIFIC NAME
Phomopsis tip blight; Needle blight	<i>Phomopsis juniperovora</i>
Chemical Injury	Abiotic disorder

Peony (*Paeonia lactiflora*)

DISEASE NAME	SCIENTIFIC NAME
Tobacco rattle	Tobacco Rattle Virus
White mold	<i>Sclerotinia</i> sp./spp.
Blight	<i>Botrytis paeoniae</i>

Pin Oak (*Quercus palustris*)

DISEASE NAME	SCIENTIFIC NAME
Oak powdery mildew	<i>Erysiphe alphitoides</i> var. <i>alphitoides</i>
Bacterial leaf scorch	<i>Xylella fastidiosa</i>
Tree squirrels	<i>Sciurus</i> sp./spp.
Oak wilt	<i>Bretziella fagacearum</i>
Leaf spot	<i>Tubakia</i> sp./spp.

Post Oak (*Quercus stellata*)

DISEASE NAME	SCIENTIFIC NAME
Jumping oak gall wasp	<i>Neuroterus saltatorius</i>
Leaf spot	<i>Tubakia</i> sp./spp.

Radiator Plant (*Peperomia* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Impatiens necrotic spot (INSV)	Tospovirus Impatiens Necrotic Spot Virus
Tobacco mosaic (TMV)	Tobamovirus Tobacco Mosaic Virus

Red Maple (*Acer rubrum*)

DISEASE NAME	SCIENTIFIC NAME
Gloomy scale	<i>Melanaspis tenebricosa</i>

Red Oaks (*Quercus* sp./spp. red)

DISEASE NAME	SCIENTIFIC NAME
Dieback; Canker; Twig blight	<i>Botryosphaeria</i> sp./spp.

Redbud (*Cercis sp./spp.*)

DISEASE NAME	SCIENTIFIC NAME
Pythium root and/or crown rot	<i>Pythium sp./spp.</i>

Shingle Oak (*Quercus imbricaria*)

DISEASE NAME	SCIENTIFIC NAME
Bacterial leaf scorch	<i>Xylella fastidiosa</i>

Snapdragon (*Antirrhinum majus*)

DISEASE NAME	SCIENTIFIC NAME
Crown and root rot	<i>Phytophthora sp./spp.</i>
Pythium root and/or crown rot	<i>Pythium sp./spp.</i>

Weeping Blue spruce (*Picea pungens pendens*)

DISEASE NAME	SCIENTIFIC NAME
Cytospora canker; Dieback	<i>Cytospora sp./spp.</i>

Willow (*Salix magnifica*)

DISEASE NAME	SCIENTIFIC NAME
Willow black canker	<i>Glomerella miyabeana</i>

FRUITS AND VEGETABLES

Apple (*Malus sylvestris*)

DISEASE NAME	SCIENTIFIC NAME
Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>

Cantaloupe; Cantaloupe (*Cucumis melo var. cantalupensis*)

DISEASE NAME	SCIENTIFIC NAME
Pythium root and/or crown rot	<i>Pythium sp./spp.</i>

Cucumber (*Cucumis sativus*)

DISEASE NAME	SCIENTIFIC NAME
Anthrachnose	<i>Colletotrichum sp./spp.</i>
Phytophthora fruit rot	<i>Phytophthora capsici</i>

Garlic (*Allium sativum*)

DISEASE NAME	SCIENTIFIC NAME
Garlic mosaic	Undetermined Virus Complex

Ginger (*Zingiber* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.

Grape (*Vitis* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Ripe Rot	<i>Colletotrichum</i> sp./spp.

Pawpaw (*Asimina triloba*)

DISEASE NAME	SCIENTIFIC NAME
Leaf Blotch	<i>Pseudocercospora asiminae</i>

Peach (*Prunus persica*)

DISEASE NAME	SCIENTIFIC NAME
San Jose Scale	<i>Diaspidiotus perniciosus</i>

Pepper (*Capsicum* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Phytophthora blight; Root rot	<i>Phytophthora capsici</i>
Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.
Bacterial fruit and leaf spot	<i>Xanthomonas</i> sp./spp
Bacterial leaf spot	<i>Xanthomonas campestris</i>
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.

Squash (*Cucurbita* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Bacterial soft rot	<i>Pectobacterium</i> sp./spp.
Pythium fruit rot; Cottony leak	<i>Pythium</i> sp./spp.

Sweetpotato (*Ipomoea batatas*)

DISEASE NAME	SCIENTIFIC NAME
Sweetpotato feathery mottle (SPFMV)	Potyvirus Sweetpotato Feathery Mottle Virus
Potyvirus Group	<i>Potyvirus</i> sp./spp.

Tomato (*Lycopersicon* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Bacterial wilt; Canker; Rot	<i>Clavibacter michiganensis</i>
Southern blight	<i>Sclerotium rolfsii</i>
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.
Fusarium wilt; Fusarium wilt complex	<i>Fusarium</i> sp./spp.
Leaf /stem/twig blight; Rot; Gray mold	<i>Botrytis cinerea</i>
Rhizoctonia crown and root rot	<i>Rhizoctonia solani</i>
Early blight; Leaf spot	<i>Alternaria solani</i>
Bacterial leaf spot	<i>Xanthomonas</i> sp./spp.
Bacterial leaf blight	<i>Pseudomonas</i> sp./spp.

Watermelon (*Citrullus lanatus*)

DISEASE NAME	SCIENTIFIC NAME
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.
Cotton aphid; Melon aphid	<i>Aphis gossypii</i>
Fusarium root rot	<i>Fusarium</i> sp./spp.

TURFGRASS**Bentgrass (*Agrostis* sp./spp.)**

DISEASE NAME	SCIENTIFIC NAME
Environmental stress	Abiotic disorder
Pythium root and/or crown rot	<i>Pythium</i> sp./spp.
Take all	<i>Gaeumannomyces graminis</i> var. <i>avenae</i>
Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.
Summer patch	<i>Magnaportheopsis</i> sp./spp.

Bluegrass; Kentucky bluegrass (*Poa pratensis*)

DISEASE NAME	SCIENTIFIC NAME
Brown patch	<i>Rhizoctonia</i> sp./spp

Tall Fescue (*Festuca arundinacea*)

DISEASE NAME	SCIENTIFIC NAME
Eriophyid mites	Family <i>Eriophyidae</i>

Zoysia Grass (*Zoysia* sp./spp.)

DISEASE NAME	SCIENTIFIC NAME
Large patch	<i>Rhizoctonia solani</i>
Take-all	<i>Gaeumannomyces</i> sp./spp.